

Sediment & Stormwater Management Plan Review Checklist

DATE RECEIVED:		PROJECT NUMBER:	
PROJEC	PROJECT NAME:		
General I	nformation	on:	
1	An elect	of plans and reports, and a completed checklist must be submitted for each review. ronic hardcopy of the plan and reports (i.e., PDF) shall also be transmitted for <u>final</u> I. Electronic program files (i.e., AutoCAD, MicroStation, DURMM, HydroCAD, and/or milar) may be required upon agency request.	
2	site con previous Prelimin	c and Hydrology computations and plans shall be resubmitted, reflecting the updated ditions, and be revised per the review comments from the preliminary submittal or the full submittal. They should continue to follow the requirements specified in the ary Sediment and Stormwater Management Plan Review Checklist.	
3	•	should be submitted on 24" x 36" (minimum) sheets unless otherwise approved.	
4	illustrati	yo (2) or more sheets are used to illustrate the plan view, an index sheet is required, and the entire project on one (1) 24" x 36" (minimum) sheet.	
5		a north arrow on all plans.	
	-	views, cross-sections, profiles, and structural details shall be to a defined scale.	
		a scale bar for all plan views.	
		names of adjacent property owners on all plans.	
9	intervals	existing and proposed contours based on NAVD 88 vertical datum at one (1) foot (2 foot intervals can be provided for offsite drainage information based on the latest ormation).	
10		Il projects less than ½ acre of disturbance, provide existing and proposed elevations	
11.	based o	n NAVD 88 vertical datum on a fifty-foot grid system. Include high and low points. he site in NAD83 horizontal datum.	
12	_	a copy of the Site Plan(s) and Grading Plan(s) as prepared for the local approval	
		s for review and informational purposes.	
13	_ Provide	a copy of the preliminary Record Plan as prepared for the local landuse approval for review and informational purposes.	
14	License the Stat	led plans submitted for review shall be prepared, signed, dated and sealed by a defense Professional in the State of Delaware Provide the seal of a Licensed Professional in the of Delaware on all submitted plans and reports.	
15	_ Provide	the Sediment and Stormwater Management plans in the following order and title	
		st to appear on the Coversheet, and each plan sheet shall be respectively titled):	
		Coversheet and General Notes	
		Overall Construction Site Phasing Plan (if applicable)	
	C	Overall Pre-Construction Site Stormwater Management Plan (if applicable)	
	d	Pre-Construction Site Stormwater Management Plan #X	
		Overall Construction Site Stormwater Management Plan (if applicable)	
		Construction Site Stormwater Management Plan #X	
	-	Construction Site Details and Notes (including the Sequence of Construction)	
	h	Overall Post Construction Stormwater Management Plan	
	i	Post Construction Stormwater Management Plan, Facility #X	
	j	Overall BMP Contributing Drainage Area Plan (To be included in final Stormwater Report)	



	<u>K</u>	<u>BMP Contributing Drainage Area Plan (10 be included in final Stormwater Report)</u>
	<u>l</u>	Pre-Developed Subareament Limit of Disturbance Drainage Area Plan (To be
		included in final Stormwater Report)
	k. m	
		Post-Developed Limit of Disturbance Drainage Area Plan (if applicable) (To be
		included in final Stormwater Report)
	l. n	
16	For final ap	proval, the following items shall be submitted:
	a	Completed NOI and associated fee must be submitted to DNREC.
	b	Provide a copy of the recorded permanent easement when a stormwater facility or
		outfall is located outside of the property boundary.
	C	Provide a wetland permit when construction of a stormwater facility will impact State and/or Federal wetlands.
	d	Provide an approval letter from the DNREC Drainage Section for any
	<u> </u>	encroachment or change in runoff discharge to an existing tax ditch or adjacent
		right-of-way.
		ng. an ang.
Cover	sheet:	
17		ader -(to duplicate in the title block on each sheet) :
	a	Project Name (and Phase, if applicable); to duplicate in the title block on each
		sheet).
	b.	_Title of Plan Set: Sediment and Stormwater Management Plans (to duplicate in
	D	
		the title block on each sheet)
		Project Location (including watershed, hundred, town, county, etc., as applicable).
		Project tax map identification number(s).
18		icating plan symbols and lines, including but not limited to, soils, drainage area
		, grading and site information.
19		icinity map with a scale either at 1" = ½ mile or 1" = 1 mile, depending
		ate to project size, and indicate the site boundary within the map. The map shall be
		than 4"x4" in size and shall clearly indicate at least one intersecting roadthe
		g roads, waterbodies, and other features .
20	Project Not	
		I Data:
	i. 	Project tax map identification number(s) Tax Map Number(s)
	ii. 	PLUS Number (if applicable)
	iii.	DNREC Sediment and Stormwater Program [or relevant Delegated Agency]
		Number
	iv.	Site Address (or Nearest Intersecting Street and Distance between)
	V.	Latitude and Longitude State Plane coordinates, with approximate
		geographical location (ie, Benchmark #1, Northeast Site Corner, etc).
	:	Provide in degree decimal format.
	Vi.	Existing Site Area
	vii.	Proposed Site Area
	viii.	Existing Wetland Area
	ix.	Proposed Condition (ie, number of lots, total building square footage, etc)
	X.	Proposed Discharge Location(s)
	VI	FIGUREAU TOISITION OF HEIDINGBOOD DAT HIERDAINA LACGRANA



	b.	Conf	tact Data:				
		i.	Contact Name, Title: _	Owner _	Developer _	Designer _	Agency
		ii.	Company/LLC:	Owner _	Developer	Designer	Agency
		iii.	Full Street Address:	Owner _	Developer _	Designer _	Agency
		iv.	Phone Number:	Owner _	Developer	Designer	Agency
		٧.	Fax Number				
21	_ Incl		signed Owner's Certifica				
	cle	aring, o	construction and develop	ment shall be	done pursuant to	the approved p	olan and that
	res	ponsib	ole personnel (i.e., Blue C	Card Holder) i	nvolved in the land	d disturbance wi	ill have a
	Ce	rtificati	on of Training prior to ini	tiation of the p	oroject, at a DNRE	EC sponsored or	r approved
	trai	ning co	ourse for the control of e	rosion and se	diment during cor	struction. In ad	dition, I grant
	the	DNRE	EC Sediment and Stormv	vater Progran	and/or the releva	ant Delegated A	gency the
	rigł	nt to co	onduct on-site reviews, a	nd I understa	nd my responsibili	ties under the N	IPDES
	Co	nstruct	ion General Permit, as re	eferenced on	this Coversheet."	This must be si	<u>igned in ink</u>
	on	each p	olan submitted or on an o	riginal reprod	ucible. Include th	e owner's name	and title
	prir	nted ur	nder the signature line.				
22	If d	uring tl	he SAS review meeting i	t is determine	d that a wetland o	delineation is rec	quired onsite,
			Wetland Certification, sig		-		
	and	d Fede	ral requirements. The fo	llowing shall	be used unless ar	n alternate has b	een
	app	oroved	: "This property, tax map	#XXX, has b	een examined by	[company name	e] for the
	-		of Waters of the United		_		
			aqueous lands and State	_		•	•
	_		in the form of manuals, p				
		-	ion was conducted. The			•	
			ce with this criteria [or, T			ithin the subject	: property],
	•		JD #XXX and/or Army C				
23			signed Site DesignerLice				
			plan has been prepared u			•	wledge
			with the applicable state				
24		lude th	e following Standard Sec				are a reco
	a.		"The DNREC Sedimer		•		•
			(5) days prior to comm	•			
			violation of the approv			_	
	b.		"Review and or approv			-	
			not relieve the contract		•	•	
			requirements of the <i>D</i> relieve the contractor			~	
	•		"If the approved plan r				
	C.		control measures may				
			Delegated Agency".	/ be required	as deemed neces	Saly by DINNEC	, or trie
	d.		"Following soil disturb:	ance or redist	urhance nerman	ent or temporary	, etahilization
	u.		shall be completed for		· ·		
			other disturbed or gra	•		•	
			more restrictive Feder			ami i a calciluai	. days ariiess
	e.		"All erosion and sedim	•		nly with the Del:	aware Frosion
	٥.		All elosion and sedin			pry with the Dere	AVIGIO ETOSIOTI



	•
f.	"At any time a dewatering operation is used, it shall be previously approved by the Agency Construction Site Reviewer for a non-erosive point of discharge, and a dewatering permit shall be approved by the DNREC Well Permitting Branch."
α	"Approved plans remain valid for 3 years from the date of approval."
g.	"Post construction verification documents are to be submitted to the DNREC
h.	
	Sediment and Stormwater Program [or, the relevant Delegated Agency] within
	60-days of stormwater management facility completion."
i.	"Approval of a Sediment and Stormwater Management Plan does not grant or
	imply a right to discharge stormwater runoff. The owner/developer is responsible
	for acquiring any and all agreements, easements, etc., necessary to comply with
	State drainage and other applicable laws."
j.	"The Notice of Intent for Storm Water Discharges Associated with Construction
	Activity under a NPDES General Permit for this project is # (to be filled in
	once received). At any time the ownership for this project changes, a Transfer of
	Authorization or a Co-Permittee Application must be submitted to DNREC. The
	permittee of record shall not be relieved of their responsibilities until a Notice of
	Termination has been processed by DNREC."
k.	"The owner shall be familiar with and comply with all aspects of the NPDES
•••	Construction General Permit associated with the project, including, but not limited
	to, performing weekly site inspections during construction and after rain events,
	and maintaining written logs of these inspections."
I.	"Before any earthwork or excavation takes place, the contractor shall call Miss
١.	Utility at 811 or 1.800.282.8555 at least 48 hours prior to construction, to have all
	existing utilities marked onsite."
m	
m.	"The contractor shall at all times protect against sediment or debris laden runoff or
	wind from leaving the site. Perimeter controls shall be checked daily and adjusted
	and/or repaired to fully contain and control sediment from leaving the site.
	Accumulated sediment shall be removed when it has reached half of the effective
	capacity of the control. In addition, the contractor may need to adjust or alter
	measures in times of adverse weather conditions, or as directed by the Agency
	Construction Site Reviewer."
n.	"Best available technology (BAT) shall be employed to manage turbid discharges
	in accordance with requirements of 7. Del C. Ch 60, Regulations Governing the
	Control of Water Pollution, Section 9.1.02, known as Special Conditions for
	Stormwater Discharges Associated with Construction Activities, and Department
	policies, procedures, and guidance."
0.	"Documentation of soil testing and materials used for temporary or permanent
	stabilization including but not limited to soil test results, seed tags, soil
	amendment tags, etc. shall be provided to the Department or Delegated Agency
	to verify that the permanent or temporary stabilization has been completed in
	accordance with the approved plan and the standards and specifications of the
	Delaware Erosion and Sediment Control Handbook, latest edition. The
	Department or Delegated Agency shall have the discretion to may require
	additional soil testing and reapplication of permanent or temporary stabilization in
	accordance with the specifications provided in the Delaware Erosion and
	Sediment Control Handbook, latest edition.", or alternative measures that provide
	functional equivalency.
	Tarrottorial equivalency.



25	Provide	a list of all sheets and their corresponding sheet number for all Sediment and
	Stormw	ater Management Plans.
26	Provide	a minimum 23"x53" clear area for an approval stamp on the right third of the
	coversh	eet.
Constr		Stormwater Management Plans:
27	Overall	Construction Site Phasing Plan:
	a	Provide only when the site has more than one limit of disturbance. Projects must
		be phased so that no more than 20 acres are disturbed at any one time. Grading
		of the next phase cannot proceed until temporary or permanent stabilization of the
		first 20-acre section is accomplished.
	b	Clearly indicate the extents of each phase in relation to the site plan (no existing of
		proposed grading).
	C	Indicate the location of the detailed sheets by matchline and page number
	_1	reference.
	d	Provide a summary/legend for the limit of disturbance areas, indicating their total
		disturbed acreage and the lots, buildings and/or stormwater facilities that are included within the limit of disturbance.
28	For all o	of the subsequent Pre-Construction and Construction Site Stormwater Management
20		iclude the following:
		Provide the "limit of disturbance" line(s).
	b.	Include the total disturbed acreage on the plan if an Overall Phasing Plan has not
		been included.
	C.	Existing contours shall be provided a minimum of 100' beyond the limit of
		disturbance. LiDAR 2' contours are acceptable for off-site areas.
	d	Provide soils mapping on the plan, using the latest NRCS soil information, with a
		general description of each soil.
	e. d	State and Federal wetlands must be accurately delineated.
	f. e	All streams and drainage ways must be delineated.
	g. f	The National Flood Insurance Program 100 Year Flood Zone must be delineated.
	<u>h.g.</u>	Show the project benchmark and identify the elevation and datum.
29 Overall Pre-Construction Site Stormwater Management Plan (if required, as determined		· · · · · · · · · · · · · · · · · · ·
		view meeting):
	a	Provide only for sites that cannot be shown in their entirety at the maximum scale
	h	of 1"=100".
	b	Include the entire site boundary in an existing conditions plan view (ie, site boundary, existing contours, wetlands, treelines, existing structures/utilities to
		remain or to be removed, etc).
	C.	Indicate the location of all perimeter controls, stockpile locations, sediment
	·	trapping facilities, and other construction stormwater management controls
		needed for demolition and bulk grading (i.e., silt fence, stabilized construction
		entrances, temporary swales, inlet protection for existing inlets, sediment basins,
		etc).
	d	Indicate the location of the detailed sheets by matchline and page number
		reference.
	e	Provide a Legend for all of the construction site lines and symbols used within the
		Pre-Construction Plan (ie, silt fence, limit of disturbance, temporary berm, etc).
		The lines and symbols should be as specified in the Delaware Erosion and

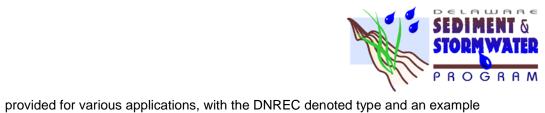


Sediment Control Handbook, latest edition. If an Overall plan is not needed, provide the legend on the singular Pre-Construction Site Stormwater Management Plan.

30	_ Pre-Con	struction Site Stormwater Management Plan (if required, as determined at the SAS
	review n	neeting):
	a	Provide for all sites at a maximum scale of 1" = 100'.
	b	Include the entire site boundary in an existing conditions plan view (ie, site
		boundary, existing contours, wetlands, treelines, existing structures/utilities to
		remain or to be removed, etc).
	C	Indicate the location of all perimeter controls, stockpile locations, sediment
		trapping facilities, and other construction stormwater management controls
		needed for demolition and bulk grading (i.e., silt fence, stabilized construction
		entrances, temporary swales, sediment basins, etc).
	d	Provide detailed labels and specifications for the controls utilized (i.e. "Data to be
		Provided" or "Data" blocks from the Delaware Erosion & Sediment Control
		Handbook, latest edition, details).
31.	Overall (Construction Site Stormwater Management Plan:
	a	Provide only for sites that cannot be shown in their entirety at the maximum scale
		of 1"=100'.
	b	Clearly indicate all of the construction stormwater management controls for the
		site in relation to the site's grading and stormwater facilities.
	C	Indicate the location of the detailed sheets by matchline and page number
		reference.
	d	Provide a Legend for all of the construction site lines and symbols used within the
		plan set (ie, silt fence, limit of disturbance, inlet protection, etc). The lines and
		symbols should be as specified in the Delaware Erosion and Sediment Control
		Handbook, latest edition. If an Overall plan is not needed, provide the legend on
		the singular Construction Site Stormwater Management Plan.
32	_ Construc	ction Site Stormwater Management Plan(s):
	a	Provide for all sites at a maximum scale of 1" = 100'.
	b	Clearly indicate all of the construction stormwater management controls for the
		site in relation to the site's grading and stormwater facilities.
	C	Provide detailed labels and specifications for the controls utilized (i.e. "Data to be
		Provided" or "Data" blocks from the Delaware Erosion & Sediment Control
	٨	Handbook, latest edition, details).
	d	Locate all utilities, construction staging areas, geothermal well-fields, and any/all
		other areas that construction equipment will traverse or disturb. These areas
		must be within the limit of disturbance and be provided with appropriate construction site controls.
33.	For all D	re-Construction and Construction Site Stormwater Management Plans locate <u>and</u>
33	· 	construction site stormwater control practices on the plans as previously mentioned.
		owing shall be included, unless supporting evidence of why they are not necessary is
		ed <u>in the revised Stormwater Management Report.</u> The list is not exhaustive and the
		ction site design shall include any/all control practices contained within the <i>Delaware</i>
		and Sediment Control Handbook, or others as approved by DNREC, that are
		ry to prevent sediment and pollution discharge from the site.



a	An approved perimeter control shall be placed downslope of all disturbed areas (o surrounding "flat areas") to protect against sediment laden runoff from leaving the
	site or entering non-disturbed areas. It should be placed parallel to the contours
	and keyed perpendicular to the contours at the limits to prevent sediment from
	washing around the ends. Locate and denote the type with any specifications.
b	Reinforced and/or super silt fence should be utilized in areas of steep slopes
_	and/or adjacent to sensitive areas such as wetlands, streams, and drainage ways.
C.	Orange safety fencing shall be provided around all infiltration areas and noted that
	no heavy construction equipment shall traverse the future infiltration area.
d	Orange safety fencing is recommended to be placed around the drip line of all
	preserved trees.
e	Soil stockpile areas must be delineated for each phase of construction. Locate
	stockpiles on areas with little or no slope. Stockpiles must be surrounded with an
	approved perimeter control.
f	Locate a stabilized construction entrance(s) for each phase of construction, and
	provide appropriate measures to ensure traffic utilizes the entrance (ie, keying silt
	fence up to the entrance).
g	Sediment traps and basins shall be utilized as appropriate and sized to
	accommodate 3600 cubic feet of storage per acre of contributing drainage area
	until project stabilization is complete. These structures must be located at the
	base of the drainage area. The following information is required: top of slope
	elevation, bottom elevation, outlet elevation, dimensions, proposed volume,
	required volume, type of trap or basin, a minimum 2:1 length to width ratio and
	contributing drainage area. Include details, cross-sections and specifications.
	This information can be combined with the facility's Post Construction Stormwater
	Management Plan as appropriate.
h	Specify the location, DNREC denoted type, and an example product for all
	stabilization practices, including any treatments, seeding, mulching and/or
	matting, both temporary and permanent.
i	Erosion control matting is required on slopes of 3:1 or greater and in areas of
	concentrated flow. Specify the DNREC denoted type, with an example product,
	and the location of the matting.
j	Channel interruptions are required in all swales, ditches and channels, with
	velocities greater than 2 ft/sec. Locate and denote the type with any
	specifications.
k	Provide steep slope interruption by use of straw wattles, coir logs, etc. Locate and
	denote the type with any specifications.
l	Provide appropriate inlet protection for all catchbasins and culvert inlets. Locate
	and denote the type with any specifications.
m	Diversions must be used to direct run-off into traps. When sediment laden
	stormwater is directed to traps and basins by closed pipe systems, temporary
	diversions must be used to direct stormwater to traps and basins until closed pipe
_	systems are operational. Locate and denote the type with any specifications.
n	Outlet protection is required at all points of discharge from pipes, channels and
	spillways. Locate and provide details, cross-sections and specifications, including
_	d50 stone size, stone depth, outlet dimensions and type of geotextile fabric.
0	All stone, with the exception of check dams, must be underlain with a geotextile
	fabric, or approved equivalent practice. Geotextile fabric specifications must be



		product.
	p	Provide a location a concrete washout station and construction staging areas, including dumpster(s). Note that if the locations are to be moved, it shall be
		approved in writing by the Agency Construction Site Reviewer.
Consti	uction Site I	Details and Notes:
34	Specify w	whose responsibility it will be to maintain and repair all erosion and sediment control
	and storr	nwater management practices during construction and utility installation.
35	Specify w	what stabilization measures shall be initiated if dust control becomes a problem.
36	Provide t	he volume of any spoil or borrow material.
37		a detailed sequence of construction, and at a minimum include the following activities:
	a	pre-construction meeting;
	b	clearing and grubbing for those areas necessary for installation of perimeter controls;
	C	construction of perimeter controls;
		remaining clearing and grubbing;
		road grading;
		grading for the remainder of the site,
	-	utility installation;
		stormwater facility construction;
		final grading, landscaping or stabilization;
	•	removal of sediment control practices.
38		ne following specific items as appropriate within the Sequence of Construction:
	a	"Notify the DNREC Sediment and Stormwater Program [or relevant Delegated
		Agency] in writing at least five (5) days prior to the start of construction. Failure to
		do so constituents constitutes a violation of the approved Sediment and
	L	Stormwater Management Plan."
	b	"Prior to any clearing, installation of sediment control measures or grading, a pre-
		construction meeting must be scheduled and conducted with the Agency
		Construction Site Reviewer. The landowner/developer, contractor, and Certified Construction Reviewer are required to be in attendance at the pre-construction
		meeting; the designer is recommended to attend."
	0	"All perimeter controls are to be reviewed by the Agency Construction Site
	C	Reviewer and approved prior to proceeding with further site disturbance or
		construction."
	d.	"The contractor shall at all times protect against sediment or debris laden runoff or
	u	wind from leaving the site. Perimeter controls should be checked daily and
		adjusted and/or repaired to fully contain and control sedimentation on the site.
		Accumulated sediment shall be removed when it has reached half of the effective
		capacity of the control. In addition, the contractor may need to adjust or repair
		measures in times of adverse weather conditions, or as directed by the Agency
		Construction Site Reviewer."
	e.	"Notify the person responsible for stormwater system construction review at least
		three (3) days prior to the start of the stormwater system construction; stormwater
		facilities must be reviewed throughout their construction."



	f	"Erosion and sediment control devices should be removed only after work in an
		area has been completed and stabilized, with written approval from the Agency
		Construction Site Reviewer."
	g	"Prior to commencing a new phase of construction, the contractor shall receive
		approval from the Agency Construction Site Reviewer that the previous phase has
		been sufficiently stabilized."
	h.	"The termination of the Construction General Permit will require submission and
		acceptance of the Post Construction Verification Documents, including final
		stabilization throughout the site, all elements of the Sediment and Stormwater
		Management Plan implemented, and acceptance of the final Operation and
		Maintenance Plan."
39.	Provide det	ails and specifications for all erosion and sediment control management practices
JJ		etails shall be from the <i>Delaware Erosion and Sediment Handbook</i> (any unusual
		nust be approved for use by the Department). The following details must be
	-	
	incorporate	Stabilized Construction Entrance
		Perimeter Control (i.e., Silt Fence, Temporary Berm, etc)
		· · · · · · · · · · · · · · · · · · ·
		Temporary and Permanent Seeding and Stabilization
		Sediment Trapping (i.e., Inlet Protection, Sediment Basins, etc)
		Site Pollution Prevention including Concrete Washout
		Dewatering Practice(s)
	-	Individual Lot Control (for residential use only)
40		All other applicable details to the site.
40		"Data to be Provided" for all Erosion and Sediment Control practices having design
		a. The data should be provided in the corresponding detail, or a note should be
	provided to	refer to the relevant chart for the information.
Doot Con	atruction St	aumurater Management Dien
		ormwater Management Plan
41		Overall Post Construction Stormwater Management Plan indicating the location
		cation of all stormwater facilities in relation to the proposed site and the existing
		ed grading.
	a	The National Flood Insurance Program 100 Year Flood Zone must be delineated.
	b	Show project benchmark and identify elevation and datum.
	C	The plan shall indicate any easements, rights-of-way, and/or demarcation of
		where public maintenance responsibility ends and private maintenance begins
		throughout the stormwater and drainage system, and clearly distinguish who is
		responsible for the maintenance in each area.
42		etailed Post Construction Stormwater Management Plan per facility clearly showing
	the propose	ed construction and specifications, including:
	a	Plan view of the facility indicating any/all: benches, inlets, outlets and their
		associated elevation; seed and stabilization type and locations; cross-section
		locations; grading of the facility; forebays; subsurface testing boring locations; etc.
		The maximum scale of facility shall be 1" = 30'.
	b	Cross-section view of the facility to a defined scale, indicating any/all: benches;
		water surface elevations; depth of construction; location of liners or underdrains;
		slopes; structures and/or pipes; seed and stabilization type and locations;
		embankment specifications: existing and proposed grade: fill locations: etc



	•
 c Cross-section view of the principal spillway to a defined scale length of the discharge pipe, indicating any/all: water surfaction of liners; slopes; phreatic lines; structure details; embankm 	ce elevations; location
seep collar location(s); crossings; outfall details; existing ar Extend the view to include the opposite side of any outfall of any wetlands, as applicable.	
 d Cross-section views of the emergency spillway(s) to a define the width and length of the spillway, indicating any/all: water location of liners; slopes; embankment specifications; stabine outfall details; existing and proposed grade; etc. Extend the 	er surface elevations; lization specifications; e view to include the
opposite side of any outfall ditch, and location of any wetland e Plan and section views to a defined scale for any structures	
including any/all construction specifications, inverts, water	
f Notes and specifications for the facility, including, but not lin	
stabilization type and locations, de-watering specifications, groundwater/subsurface information, construction information (i.e., type of liner, biosoil, stone, etc.).	
g If the vegetation within the facility is used for quality manag	
separate Landscape Plan shall be prepared indicating the sand planting locations, and be signed by a licensed Landsc State of Delaware.	
h The plan shall indicate any easements, rights-of-way, and/o	or demarcation of
where public maintenance responsibility ends and private r within or around the facility, and clearly distinguish who is r maintenance in each area.	
i Provide directional stormwater flow arrows for all existing a	nd proposed channels,
pipes, etc.	
j Provide details, cross-sections and specifications (including lining, type of vegetation, or type of stabilization) for any discovered setc., not classified as a facility but are being proposed discharge.	versions, ditches,
k All stormwater designs shall be in accordance with standard	·
approved by the DNREC Sediment and Stormwater Progra I Maintenance set aside areas for disposal of sediments rem	
management facilities that provide a forebay must be provided as forebay must be provi	ded. Set aside areas ment facility volume to num depth of the set
m Include in the agency submittal any design checklists for the as provided by DNREC.	e specific type of facility
n Provide a Sequence of Construction specific to the facility, for excavation, construction of structures or other controls, dewatering, temporary or permanent sediment controls, etc.	stabilization,
o Provide Operation and Maintenance (O&M) notes and/or do sheet is required per facility, then the O&M requirements sl the same sheet). Including the below statements and requirements for this	etails (if more than one hall all be combined on irements shall satisfy



,	once the facility is constructed, a full Operation and Maintenance Plan shall be
	prepared and include the post verification construction drawing.
I.	"The DNREC Sediment and Stormwater Program and/or the relevant
	Delegated Agency reserves the right to enter private property for
	purposes of periodic site reviews."
ii.	"The DNREC Sediment and Stormwater Program [or the relevant
	Delegated Agency] shall be notified within 30 business days if the
	property ownership is transferred to a new person or entity."
iii.	"The DNREC Sediment and Stormwater Program and/or the relevant
	Delegated Agency may seek enforcement action against any owner
	deemed negligent in fulfilling the Operation and Maintenance
	requirements of the Delaware Sediment and Stormwater Regulations."
iv.	"The DNREC Sediment and Stormwater Program [or, the relevant
	Delegated Agency] shall be contacted if a concern arises regarding a
	stormwater management facility, before any non-routine maintenance, or
	if modifications to the facility are desired."
V	"Any design modifications made to the stormwater system shall require
٧.	the creation of a new Post Construction Stormwater Management Plan
	and/or Operations and Maintenance Plan, with approval of the plan(s) by
	the DNREC Sediment and Stormwater Program [or the relevant
	Delegated Agency]."
vi.	"For all stormwater easement areas (i.e., access, maintenance, or offsite)
	and the minimum 10-foot wide accessways to all stormwater facilities and
	their structural components, regular mowing shall be performed to keep
	the grass 6" or less; no trees or shrubs shall be planted, and any found
	growing shall be removed; and no permanent structures, such as fences
	or sheds, shall be located within the easement or accessway."
vii.	"Trees shall not be planted, and shall be removed if found growing, on and
	within 15 feet of all pond embankments, on pond slopes or safety
	benches, and within 10 feet of structural components, such as pipe inlets."
viii.	"When the facility is excavated to remove accumulated sediment, the
	disposal area shall be permanently stabilized so that it does not recreate
	an erosion problem. Any material taken off-site shall still be utilized or
	disposed of in an approved DNREC manner."
ix.	
	Miss Utility at 811 or 1.800.282.8555 at least 48 hours prior to
	construction, to have all existing utilities marked onsite."
Y	Include the O&M notes specified for the type of facility proposed, as per
۸.	Appendix 5.01.2–1 and/or section 3.06.2 Post Construction Stormwater
	BMP Stanmdards and Specifications of the Technical Document, Routine
	Maintenance Requirements.
vi	•
XI.	Include any facility specific routine or non-routine maintenance, and/or
	operational requirements not listed in the above-mentioned standard
	requirements for the type of facility. May include, but is not limited to any
	mowing, sediment removal, pipe inspections, watering, re-
	seeding/planting, trash removal, etc
	The notes shall indicate the frequency of the maintenance
	inspections.



	2. Any Odivi specifications for proprietary systems must be
	included on the plans.
	Any details necessary to complete the O&M procedures must
	be included.
43	For stormwater management practices incorporating infiltration, the following apply:
a.	Infiltration practices designed to handle runoff from impervious parking areas must
	maintain a separation distance of 100 feet from domestic wells and 150 feet from
	public wells from their periphery.
b.	Infiltration practices greater than three feet deep shall be located at least 20 feet
	from basement walls. Any infiltration practice shall be located at least 10 feet from
	a building structure.
C.	
0.	established prior to runoff entering the system. If individual lot construction is to
	, and the second
	drain towards an already established infiltration area, the facility shall be protected
	with perimeter controls around the top of bank.
d.	The infiltration practice shall be designed to drain completely within 48 hours.
e.	The bottom of the infiltration practice shall be at least three feet above the
	seasonal high water table, unless a BMP specification indicates otherwise.
f.	Infiltration practices are limited to soils having a field tested infiltration rate of at
	least 1 .02 inches per hour; the design infiltration rate shall be half of the field
	tested infiltration rate. Onsite soil borings and textural classification must be done
	to verify site conditions and seasonal high water table, this information must be
	submitted with the plan.
g.	Infiltration practices shall not be installed in fill material.

Note: For any language that contains "[or the relevant Delegated Agency]", the preparer shall substitute the name of the appropriate Delegated Agency in place of the DNREC Sediment and Stormwater Program. For example, if the Sussex Conservation District is the Delegated Agency for the project, the checklist item "I am to notify the DNREC Sediment and Stormwater Program [or the relevant Delegated Agency]" would be prepared as "I am to notify the Sussex Conservation District". Any "and/or" statements shall remain as prescribed. For example, "I grant the DNREC Sediment and Stormwater Program and/or the relevant Delegated Agency" can be copied verbatim, and grants either agency the right to enter the property as may become necessary throughout the duration of the project.